

Title (en)

Method of producing an axle with profiled ends, machine for carrying out the method and axles thus obtained.

Title (de)

Verfahren zum Herstellen einer Achse mit profilierten Enden, Maschine zur Durchföhrung des Verfahrens und damit hergestellte Achse.

Title (fr)

Procédé de fabrication d'un axe à extrémités de passage axial profilées, machine pour la mise en oeuvre du procédé et axe ainsi obtenu.

Publication

**EP 0534818 B1 19950510 (FR)**

Application

**EP 92402493 A 19920911**

Priority

FR 9111332 A 19910913

Abstract (en)

[origin: EP0534818A1] Method for manufacturing an axle (shaft), the axial passage of revolution of which has, at its ends, an enlargement with a particular profile. The machine for carrying out this method includes a die 8 mounted so as to slide in a fixed support 17 and suitable for receiving and for holding in place, by wedging, an axle (shaft) blank 1; a counterpunch 7b having a profiled shoulder 13b, engaged via its tip in one end of the said bore (23); a movable punch 7a having a profiled shoulder 13a, suitable for being engaged via its tip in the other end of the said bore 23; and pressure means suitable for exerting a force on the said movable punch 7a so that the ends of the axial passage 3 of the said axle (shaft) blank 1 are compressed and deformed by stamping between the said profiled shoulders 13a, 13b of the punches. <IMAGE>

IPC 1-7

**B21K 21/12**; **B21D 19/10**

IPC 8 full level

**B21K 1/06** (2006.01); **B21K 21/00** (2006.01); **B21K 21/08** (2006.01); **B21K 21/12** (2006.01)

CPC (source: EP)

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